

**EAST Search History****EAST Search History (Prior Art)**

| Ref # | Hits | Search Query  | DBs   | Default Operator | Plurals | Time Stamp       |
|-------|------|---|---|------------------|---------|------------------|
| L1    | 0    | 700/7,9.ccls. and (catalytic with combust\$4)   | US-PGPUB; USPAT                                 | ADJ              | ON      | 2010/06/30 08:35 |
| L2    | 1    | 701/7,9.ccls. and (catalytic with combust\$4)   | US-PGPUB; USPAT                                 | ADJ              | ON      | 2010/06/30 08:35 |
| L3    | 0    | (catalytic with combust\$4) same ambient same pressure same vane\$3 same flow\$3  | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT | ADJ              | ON      | 2010/06/30 08:37 |
| L4    | 15   | (catalytic with combust\$4) and (ambient same pressure same vane\$3 same flow\$3)   | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT | ADJ              | ON      | 2010/06/30 08:37 |
| L7    | 19   | (catalytic with combust\$4) and (ambient same temperature same vane\$3 same flow\$3)  | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT | ADJ              | ON      | 2010/06/30 09:16 |
| L8    | 1297 | (catalytic with combust\$4) and (ambient same temperature same flow\$3)   | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT | ADJ              | ON      | 2010/06/30 09:17 |
| L9    | 118  | 8 and vane  | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT | ADJ              | ON      | 2010/06/30 09:17 |
| L10   | 8    | (flow\$3 with (rate\$3 or velocity)) same vane same ((ambient or atmospher\$4) with temperature) and cataly \$4 and turbine | US-PGPUB; USPAT; USOCR                          | ADJ              | ON      | 2010/06/30 09:24 |
| S1    | 1    | "6095793".pn.   | US-PGPUB; USPAT                                 | ADJ              | ON      | 2009/06/26 16:24 |

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| S2  | 49  | ("2743529"   "2795054"   "3662737"   "3768955"   "3928961"   "3975900"   "4032285"   "4147502"   "4255927"   "4406611"   "5183401"   "5232357"   "5248251"   "5250489"   "5258349"   "5259754"   "5281128"   "5326253"   "5405260"   "5425632"   "5461864"   "5511972"   "5512250"   "5518697").PN.<br>OR ("6095793").URPN.               | US-PGPUB; USPAT; USOCR    | ADJ | ON | 2009/06/26<br>16:24 |
| S3  | 18  | ("2743529"   "2795054"   "3662737"   "3768955"   "3928961"   "3975900"   "4032285"   "4147502"   "4255927"   "4406611"   "5183401"   "5232357"   "5248251"   "5250489"   "5258349"   "5259754"   "5281128"   "5326253"   "5405260"   "5425632"   "5461864"   "5511972"   "5512250"   "5518697").PN.<br>and (cataly\$4 with combus<br>\$4) | US-PGPUB; USPAT; USOCR    | ADJ | ON | 2009/06/26<br>16:25 |
| S4  | 1   | "4733527".pn.   | US-PGPUB;<br>USPAT        | ADJ | ON | 2009/06/26<br>16:28 |
| S5  | 17  | ("3021673"   "3693347"   "4160362"   "4259837"   "4667465").PN. OR<br>("4733527").URPN.   | US-PGPUB;<br>USPAT; USOCR | ADJ | ON | 2009/06/26<br>16:28 |
| S6  | 0   | "2002083715"  | US-PGPUB;<br>USPAT; USOCR | ADJ | ON | 2009/06/26<br>16:31 |
| S7  | 1   | "20020083715"   | US-PGPUB;<br>USPAT; USOCR | ADJ | ON | 2009/06/26<br>16:31 |
| S8  | 0   | "2002029557"  | US-PGPUB;<br>USPAT; USOCR | ADJ | ON | 2009/06/26<br>16:34 |
| S9  | 1   | "20020029557"   | US-PGPUB;<br>USPAT; USOCR | ADJ | ON | 2009/06/26<br>16:34 |
| S10 | 1   | 60/723,785,795,777.ccls. and<br>((cataly\$5 same combus\$5)<br>and (vane\$3 same pressure<br>same humid\$5))  | US-PGPUB;<br>USPAT; USOCR | ADJ | ON | 2009/06/26<br>16:41 |
| S11 | 12  | ((cataly\$5 same combus\$5)<br>and (vane\$3 same pressure<br>same humid\$5))  | US-PGPUB;<br>USPAT; USOCR | ADJ | ON | 2009/06/26<br>16:42 |
| S12 | 273 | 60/723,785,795,777.ccls. and<br>(cataly\$5 same combus\$5)  | US-PGPUB;<br>USPAT; USOCR | ADJ | ON | 2009/06/26<br>16:44 |
| S13 | 18  | 60/723,785,795,777.ccls. and<br>(cataly\$5 same combus\$5)<br>and (guide vane)  | US-PGPUB;<br>USPAT; USOCR | ADJ | ON | 2009/06/26<br>16:46 |

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| S14 | 58   | (vane\$3 same pressure same humid\$5 same (flow near rate))  | US-PGPUB; USPAT; USOCR | ADJ | ON  | 2009/06/26 16:53 |
| S15 | 13   | (vane\$3 same pressure same humid\$5 same bleed\$3)  | US-PGPUB; USPAT; USOCR | ADJ | ON  | 2009/06/26 16:55 |
| S16 | 698  | (guide vane same (adjust\$4) same control\$3 same pressure)  | US-PGPUB; USPAT; USOCR | ADJ | ON  | 2009/06/26 16:56 |
| S17 | 274  | S16 and (gas turbine)  | US-PGPUB; USPAT; USOCR | ADJ | ON  | 2009/06/26 16:56 |
| S18 | 1586 | compressor same inlet same humidi\$5   | US-PGPUB; USPAT; USOCR | ADJ | ON  | 2009/06/26 17:06 |
| S19 | 55   | compressor same inlet same humidi\$5 same (guide vane)   | US-PGPUB; USPAT; USOCR | ADJ | ON  | 2009/06/26 17:06 |
| S20 | 54   | (detect\$3 or measur\$5) same humidi\$5 same (guide vane)  | US-PGPUB; USPAT; USOCR | ADJ | ON  | 2009/06/26 17:09 |
| S21 | 2    | ((BENOIT) near2 (FECAMP)). INV.  | US-PGPUB; USPAT        | ADJ | ON  | 2009/06/30 15:50 |
| S22 | 2    | ((EVER) near2 (FADLUN)). INV.  | US-PGPUB; USPAT        | ADJ | ON  | 2009/06/30 15:51 |
| S23 | 5    | ((STEFANO) near2 (GROPP)). INV.  | US-PGPUB; USPAT        | ADJ | ON  | 2009/06/30 15:51 |
| S24 | 50   | ((("6817186") or ("6907722") or ("20040045275") or ("20040055272") or ("5984625") or ("3618699") or ("4254619") or ("4462561") or ("4546939") or ("4791783") or ("5190439") or ("5584171") or ("5722241") or ("5737911") or ("5778675") or ("5896736") or ("6164057") or ("6328526") or ("6364602") or ("6402487") or ("6968696") or ("7036317") or ("7114911") or ("7191588") or ("7422414") or ("20020134891") or ("20040112038") or ("20050050901") or ("20060005526") or ("20060045728") or ("20070031238") or ("20070224038") or ("20080264067") or ("20090055130") or ("6442941") or ("6543234") or ("20020129608") or ("20080178571") or ("4345875") or ("4778334") or ("4380903") or | US-PGPUB; USPAT; USOCR | OR  | OFF | 2009/06/30 15:53 |

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|     |      | ("4475343") or ("4496383") or ("5340286") or ("5463967") or ("4352989") or ("4384459") or ("4568183") or ("4776172") or ("4890453") or ("").pn.")).PN.                   |   |     |    |                  |
| S25 | 339  | "60".clas. and (vanes same ambient same temperature)   | US-PGPUB; USPAT; USOCR                          | ADJ | ON | 2010/01/15 16:27 |
| S26 | 12   | ("4082068"   "4768492"   "5170753"   "5383803"   "5503118"   "5563585"   "5660536"   "6390031"   "6598566"   "6712028"   "7082903"   "7258083").PN. OR ("7370611").URPN. | US-PGPUB; USPAT; USOCR                          | ADJ | ON | 2010/01/15 16:37 |
| S27 | 18   | "60".clas. and (vanes same ambient same temperature same (flow rate))  | US-PGPUB; USPAT; USOCR                          | ADJ | ON | 2010/01/15 16:40 |
| S28 | 85   | (vanes same ambient same temperature same (flow rate))   | US-PGPUB; USPAT; USOCR                          | ADJ | ON | 2010/01/15 16:43 |
| S29 | 67   | S28 not S27  | US-PGPUB; USPAT; USOCR                          | ADJ | ON | 2010/01/15 16:44 |
| S30 | 2444 | (flow rate) same pressure same humidity  | US-PGPUB; USPAT; USOCR                          | ADJ | ON | 2010/01/15 16:45 |
| S31 | 126  | S30 and gas turbine  | US-PGPUB; USPAT; USOCR                          | ADJ | ON | 2010/01/15 16:45 |
| S32 | 39   | (flow rate) same pressure same humidity same vanes   | US-PGPUB; USPAT; USOCR                          | ADJ | ON | 2010/01/15 16:48 |
| S33 | 2    | "6912856".pn.  | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT | ADJ | ON | 2010/01/15 18:01 |
| S34 | 2    | "20040255595"  | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT | ADJ | ON | 2010/01/15 18:01 |
| S35 | 4    | "3534988".pn.  | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT | ADJ | ON | 2010/01/15 18:08 |
| S37 | 12   | ("20020029557"   "20020083715"   "4733527"   "5168447"   "5174105"   "6364602").PN.  | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT | ADJ | ON | 2010/01/16 10:05 |

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| S38 | 2     | "5743079".pn.  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT | ADJ | ON | 2010/01/16<br>11:18 |
| S39 | 22085 | (sens\$3 or detect\$5 or<br>measur\$5) same humidity<br>same pressure  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT | ADJ | ON | 2010/01/16<br>11:22 |
| S40 | 827   | (sens\$3 or detect\$5 or<br>measur\$5) same humidity<br>same pressure same<br>compressor   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT | ADJ | ON | 2010/01/16<br>11:22 |
| S41 | 144   | S40 and gas turbine  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT | ADJ | ON | 2010/01/16<br>11:23 |
| S42 | 0     | S41 and calatytic  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT | ADJ | ON | 2010/01/16<br>11:27 |
| S43 | 5     | "2002083715"   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT | ADJ | ON | 2010/01/16<br>13:14 |
| S44 | 2     | "20020083715"  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT | ADJ | ON | 2010/01/16<br>13:14 |
| S45 | 280   | 60/723,785,795,777.ccls. and<br>(cataly\$5 same combus\$5)   | US-PGPUB;<br>USPAT; USOCR                                   | ADJ | ON | 2010/06/29<br>08:36 |
| S46 | 159   | 60/723,785,795,777.ccls. and<br>cataly\$5 and ((ambient or<br>atmospher\$4 or outside or<br>externa\$4) same<br>temperature)             | US-PGPUB;<br>USPAT; USOCR                                   | ADJ | ON | 2010/06/29<br>08:40 |
| S47 | 37    | 60/723,785,795,777.ccls. and<br>cataly\$5 and ((ambient or<br>atmospher\$4 or outside or<br>externa\$4) same<br>temperature) and vane\$3 | US-PGPUB;<br>USPAT; USOCR                                   | ADJ | ON | 2010/06/29<br>08:43 |
| S48 | 1268  | (cataly\$5 same combust\$4)<br>and ((ambient or atmospher<br>\$4 or outside or externa\$4)<br>same temperature) and vane<br>\$3          | US-PGPUB;<br>USPAT; USOCR                                   | ADJ | ON | 2010/06/29<br>08:49 |

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| S49 | 1271 | (cataly\$5 same combust\$4) and ((ambient or atmospher\$4 or outside or externa\$4) same temperature) and vane\$3 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT | ADJ | ON | 2010/06/29 08:49 |
| S50 | 344  | S49 and (gas turbine or turbo near2 jet or turbo near2 fan)   | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT | ADJ | ON | 2010/06/29 08:50 |
| S51 | 413  | S49 and (gas near2 turbine or turbo near2 jet or turbo near2 fan)   | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT | ADJ | ON | 2010/06/29 08:50 |

**EAST Search History (Interference)**

| Ref # | Hits | Search Query             | DBs  | Default Operator | Plurals | Time Stamp       |
|-------|------|--------------------------|------|------------------|---------|------------------|
| L5    | 15   | 60/723,785,795,777.ccls. | UPAD | ADJ              | ON      | 2010/06/30 08:39 |

6/30/2010 11:02:42 AM

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